20870.9600US01

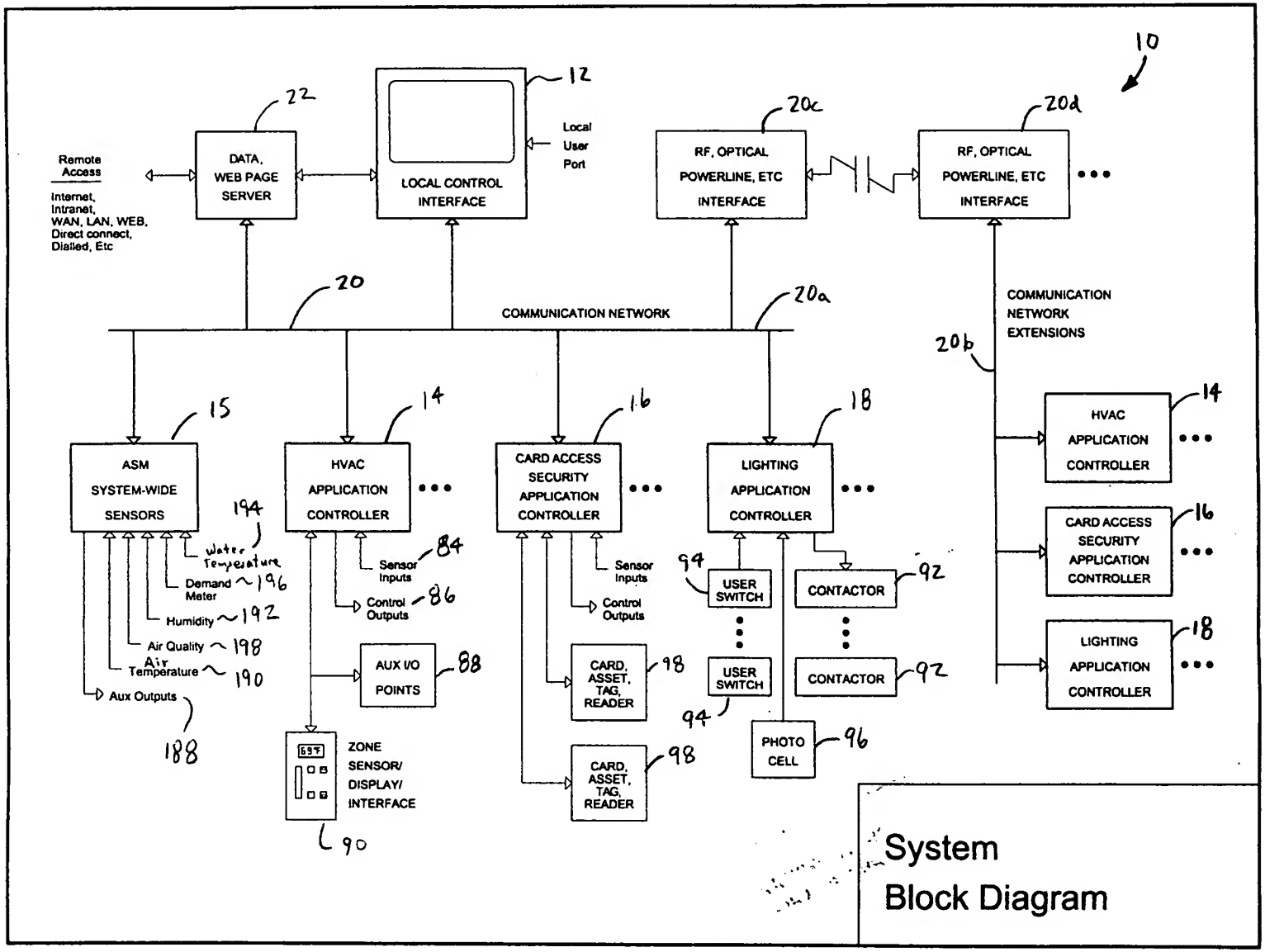

FIG. 1

20870 "SEQUENCE

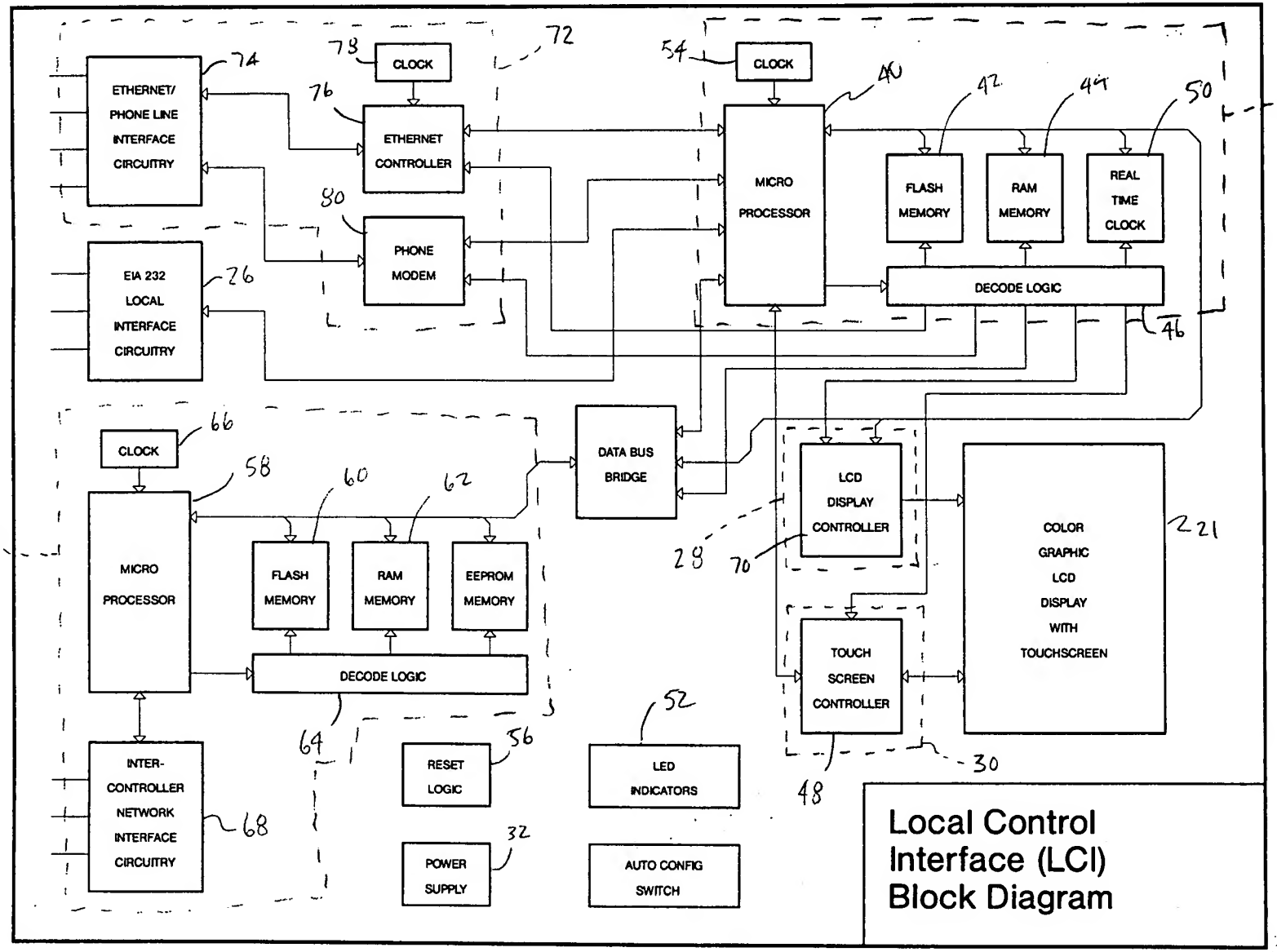

FIG. 2

20070 SEQUOT

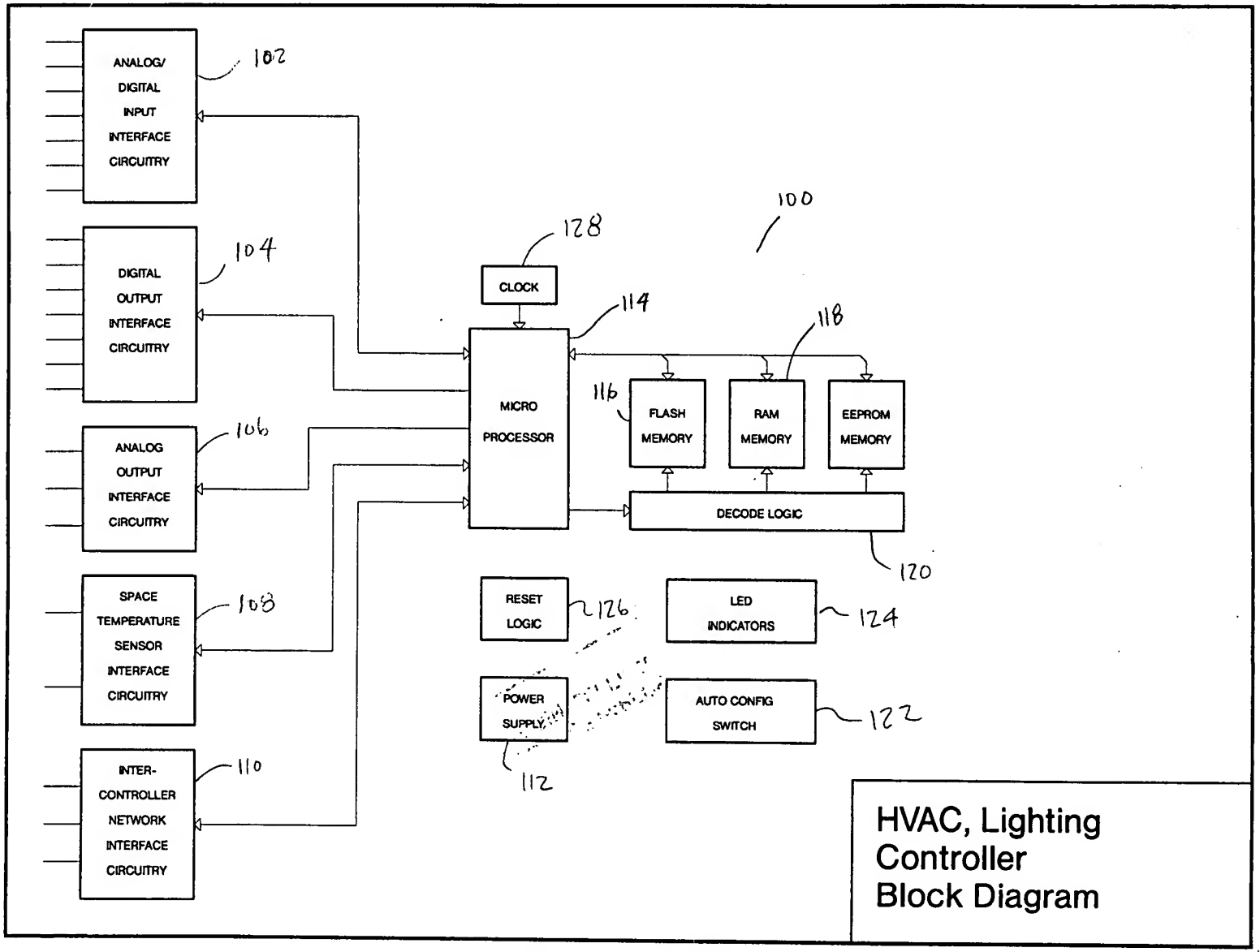

FIG. 3

20870 SEQUOIA

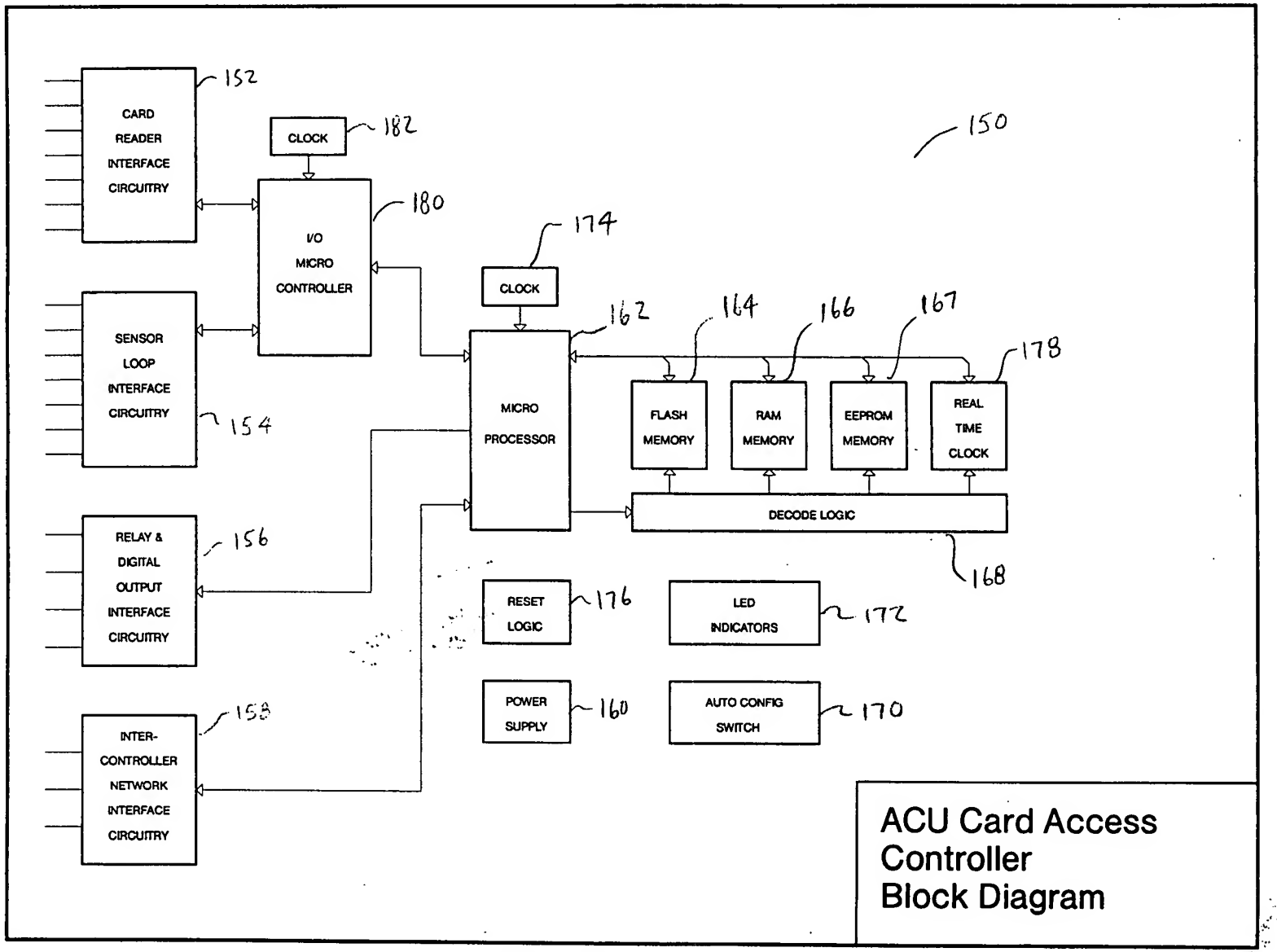

FIG. 4

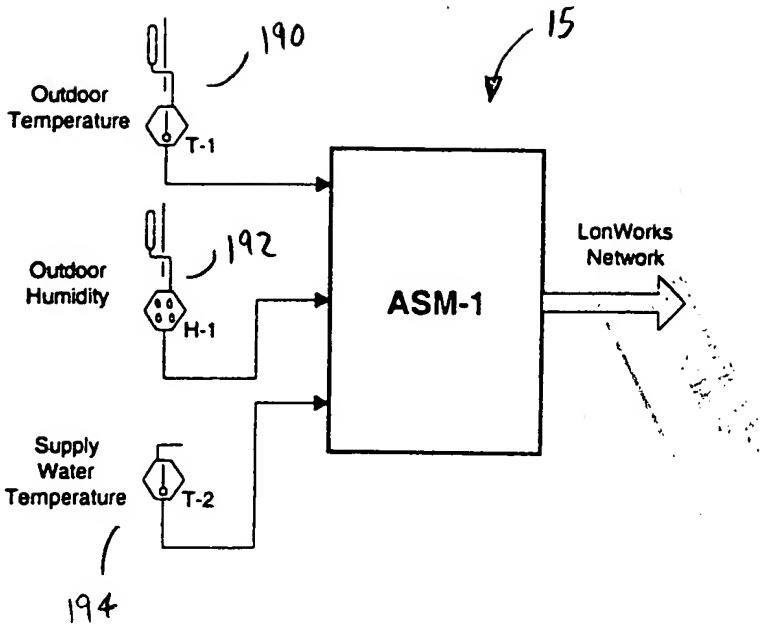
190
15
Outdoor
Temperature
T-1
192
Outdoor
Humidity
H-1
ASM-1
LonWorks
Network
Supply
Water
Temperature
T-2
194

Fig. 5

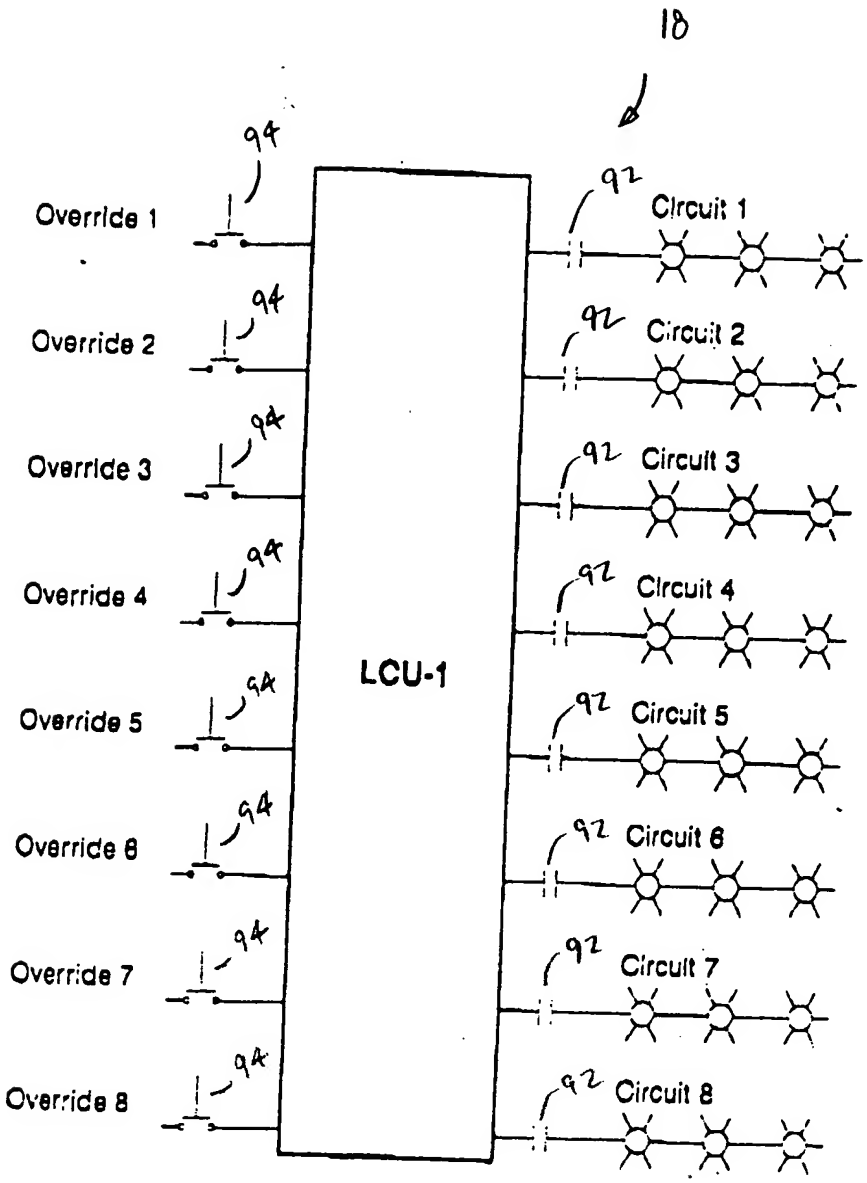
18
94
92
Override 1
Override 2
Override 3
Override 4
Override 5
Override 6
Override 7
Override 8
LCU-1
Circuit 1
Circuit 2
Circuit 3
Circuit 4
Circuit 5
Circuit 6
Circuit 7
Circuit 8

Fig. 6

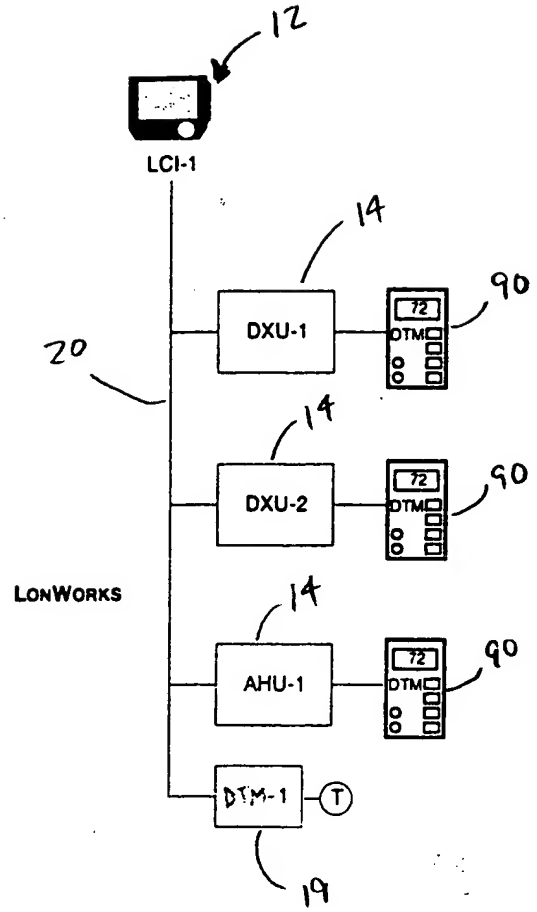
12
LCI-1
14
DXU-1
72
DTM
90
20
14
DXU-2
72
DTM
90
LONWORKS
14
AHU-1
72
DTM
90
DTM-1
T
19

Fig. 7

Number of Bits	Description
8	command (value = 101)
8	system (LCI) time – hour
8	system (LCI) time – minute
8	system (LCI) time – second
8	occupancy mode (1=unoccupied. 0=occupied)

Fig. 8

Number of Bits	Description
8	command (value = 101)
8	Device ID assigned by LCI
16	Outside temperature (SNVT_temp_p format, 0x7fff = not supported)
16	Outside humidity (SNVT_lev_percent format, 0x7fff = not supported)
16	Supply water temperature (SNVT_temp_p format, 0x7fff = not supported)

Fig 9

Number of Bits	Description
8	command (value = 25)
2	Entry side mode (0: card. 1: card/PIN. 2: cipher. 3: PIN)
2	Exit side mode (0: card. 1: card/PIN. 2: cipher. 3: PIN)
1	Enable / Disable Flag for entry side (1=disable)
1	Enable / Disable Flag for exit side
34	reserved – set to 0
16	system (LCI) time – year
8	system (LCI) time – month
8	system (LCI) time – day
8	system (LCI) time – hour
8	system (LCI) time – minute
8	system (LCI) time – second
8	system (LCI) time – day of week (1=Sunday)
8	IAC device ID

Fig. 10

Number of Bits	Description
8	command (value = 25)
8	IAC device ID

Fig. 11

EP 0 950 994 A2

Field	Size	Description	Data Type
msg_number	1 byte	Message 101 = EXP_PING	unsigned short

Fig. 12

Field	Size	Description	Data Type
unit_number	1 byte	LCI assigned unit number	unsigned short
outdoor_temp	2 bytes	Outdoor temperature (65535= not supported) 32767	SNVT_temp_p
outdoor_humidity	2 bytes	Outdoor humidity (65535 = not supported) 32767	SNVT_lev_percent
supply_temp	2 bytes	Supply water temperature (65535 = not supported) 32767	SNVT_temp_p

Fig. 13

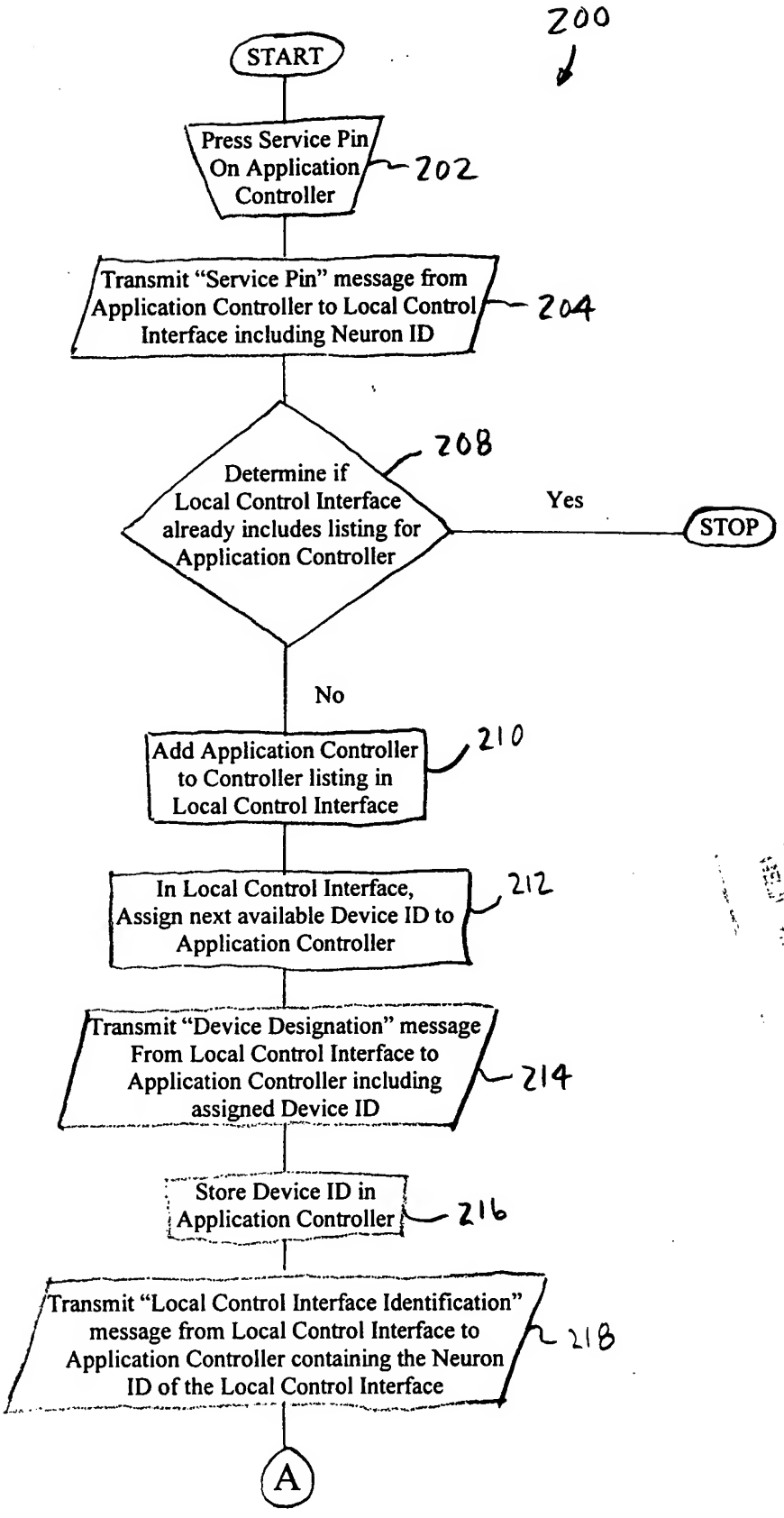
200
START
Press Service Pin On Application Controller
202
Transmit "Service Pin" message from Application Controller to Local Control Interface including Neuron ID
204
Determine if Local Control Interface already includes listing for Application Controller
208
Yes
STOP
No
Add Application Controller to Controller listing in Local Control Interface
210
In Local Control Interface, Assign next available Device ID to Application Controller
212
Transmit "Device Designation" message From Local Control Interface to Application Controller including assigned Device ID
214
Store Device ID in Application Controller
216
Transmit "Local Control Interface Identification" message from Local Control Interface to Application Controller containing the Neuron ID of the Local Control Interface
218
A

FIG 14A

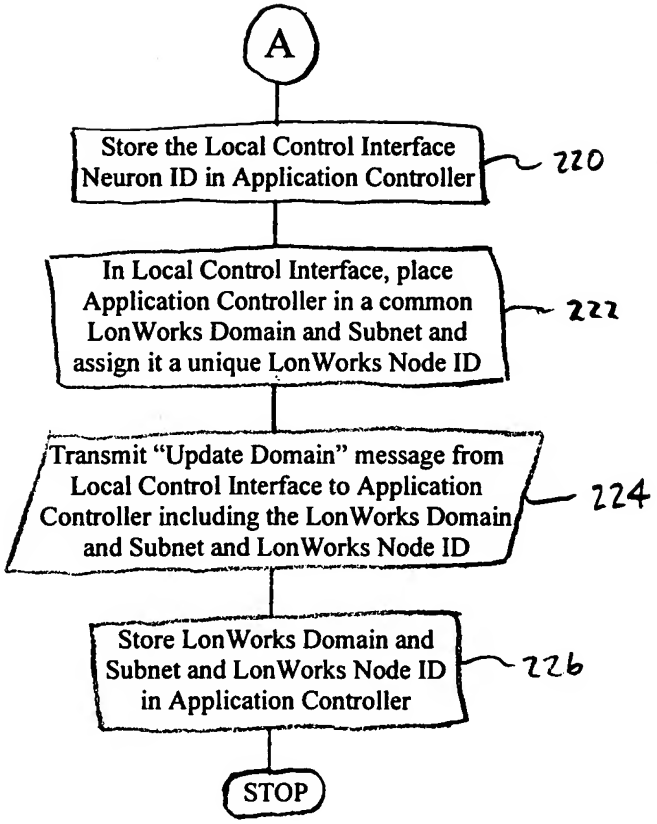
A
Store the Local Control Interface Neuron ID in Application Controller
220
In Local Control Interface, place Application Controller in a common LonWorks Domain and Subnet and assign it a unique LonWorks Node ID
222
Transmit "Update Domain" message from Local Control Interface to Application Controller including the LonWorks Domain and Subnet and LonWorks Node ID
224
Store LonWorks Domain and Subnet and LonWorks Node ID in Application Controller
226
STOP

FIG. 14B

Number of Bits	Description
8	command (value = 20)
3	reserved
2	access mode (0: card, 1: card/PIN, 2: cipher, 3: PIN)
1	reverse card read flag
8	Device ID * 2 (bit 0 determines entry / exit side) Bit 0=0, entry side, bit0=1, exit side
64	card number
32	PIN/Cipher number sequence (8 characters max. in BCD format)

Fig. 15

Number of Bits	Description
8	command (value = 58)
8	reserved
8	Device ID * 2 (bit 0 determines entry / exit side) Bit 0=0, entry side, bit0=1, exit side
8	response (0-card unknown, 1-access denied, 2-access granted, 3-access complete, 4-access extended, 5-open ingress portal, 6-open egress portal, 7-open both portals)

Fig. 16

Number of Bits	Description
8	command (value = 59)
8	Device ID * 2 (bit 0 determines entry / exit side) Bit 0=0, entry side, bit0=1, exit side
8	reason for door opening (0= exit pushbutton, nonzero = access request)

Fig 17

Number of Bits	Description
8	command (value = 103)
8	device ID of controller
8	reserved (set to 5)
up to 8x40	ASCII string containing text describing the alarm

Fig. 18

EP 0 940 964 A2

Field	Size	Description	Data Type
msg_number	1 byte	Message 101 = EXP_PING	unsigned short
sys_hour	1 byte	System Time – hours 0-23	unsigned short
sys_min	1 byte	System Time – minutes 0-60	unsigned short
sys_sec	1 byte	System Time – seconds 0-60	unsigned short
Lighting Zone Occupancy	8 bytes	Current occupancy mode for Lighting Zones 1-8 (Zone 1 is first byte)	snvt_occupancy
Lighting Zone Overrride	8 bytes	Current override mode for Lighting Zones 1-8 (Zone 1 is first byte)	snvt_occupancy

Fig. 19

Field	Size	Description	Data Type
unit_number	1 byte	LCI assigned unit number	unsigned short

Fig. 20